June 13, 2019

Lt. Scott Landen
San Bernardino County Sheriff's Department
Scientific Investigations Division
Biometric Identification Network (CAL-ID)
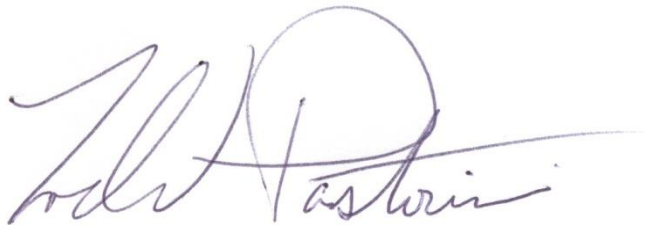880 East Mill Street
San Bernardino, CA 92415-0054

RE: RAPID ID Proposal

Dear Scott,

I would further like to thank you for your interest in the DataWorks Plus family of imaging products for law enforcement and correctional agencies. We are pleased to provide your agency with the following proposal of our RAPID ID and Transaction controller Mobile ID management system. This system is designed to work with your current Morpho Mobile ID Units.

If you have any questions regarding this letter, please do not hesitate to call.

Sincerely,

Todd Pastorini
Executive Vice President & General Manager
925-240-9010
925-240-9011 FAX

System Description

DataWorks Plus is proposing the following optional items for SBCSD' consideration:

- RAPID-ID Mobile Fingerprint Identification
  - RAPID-ID Transaction Controller/Reporting Server
  - RAPID-ID Transaction Controller Software & Reporting Services
  - RAPID-ID Software for current SBCSD Morpho IBIS deployment
  - Additional RAPID-ID devices: Integrated Biometrics Watson-Mini & Evolution

RAPID-ID Mobile Fingerprint Identification

DataWorks Plus' RAPID-ID is an extremely fast and accurate software solution that uses advanced fingerprint matching techniques to provide positive identification of an individual. RAPID-ID allows an officer to scan a person's finger on any FBI-approved fingerprint scanner and search a database for a positive match. RAPID-ID searches FBI RISC, state and local AFIS using a variety of fingerprint capture solutions. Search results can also include NCIC, state arrest history, mugshots (when on file), wants and warrants, etc.

Transaction Controller Software & Reporting Services

Our solution also includes RAPID-ID Transaction Controller Software & Reporting Services, which provides the RAPID-ID Transaction Monitor web application. Transaction Monitor can be accessed from any workstation on SBCSD's network within an industry-standard web browser. With the RAPID-ID Transaction Monitor, SBCSD can:
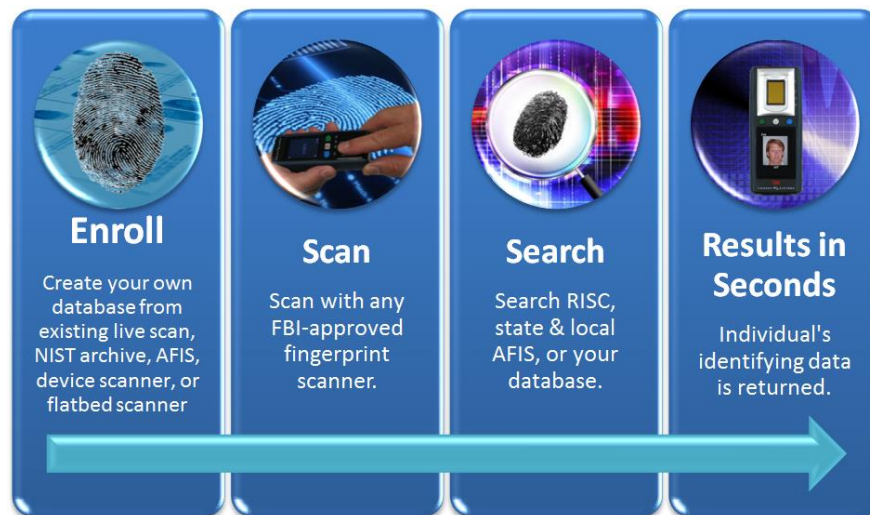
- Review statistical data for all transactions performed and record narratives for investigative and analytical purposes.

- Perform administrative functions such as managing device registrations and configuring user activity privileges.

Biometric Login Verification Provides Additional Security

Our proposed RAPID-ID solution for SBCSD also includes Biometric Login user verification. This grants SBCSD security in addition to the standard username and password authentication methods typically available. Users will be able to authenticate themselves by pressing their own thumbprint or fingerprint onto their device to verify that they are authorized enrolled users before the RAPID-ID application will function. This further ensures that the system is protected from unauthorized access or use.

RAPID-ID Mobile Fingerprint Identification Product Summary

DataWorks Plus' RAPID-ID is an extremely fast and accurate software solution that uses advanced fingerprint matching techniques to provide positive identification of an individual. RAPID-ID allows an officer to scan a person's finger on any FBI-approved fingerprint scanner and search a database for a positive match. RAPID-ID searches FBI RISC, state and local AFIS using a variety of fingerprint capture solutions. Search results can also include NCIC, state arrest history, mugshots (when on file), wants and warrants, etc.

Enroll

Create your own database from existing live scan, NIST archive, AFIS, device scanner, or flatbed scanner

Scan

Scan with any FBI-approved fingerprint scanner.

Search

Search RISC, state & local AFIS, or your database.

Results in Seconds

Individual's identifying data is returned.

Multiple Hardware Options

RAPID-ID differs from other vendor offerings because our software supports fingerprint scanning hardware from numerous hardware manufacturers. RAPID-ID can function with

any major manufacturers' FBI Appendix F-certified fingerprint scanners. At DataWorks Plus, we view ourselves not only as application developers, but also as solid system integrators, using a combination of best-of-breed solutions from third party providers, our own commercial-off-the-shelf software, and

With RAPID-ID, County won't be tied to a specific hardware vendor – you can select the best scanner type for the job.

some custom development to provide the best available working environment for our customers. Our approach to this project in particular involves the integration of the best mobile fingerprint edge device hardware available today. With DataWorks Plus, County will have total flexibility when selecting the best fingerprint scanner for a wide variety of

applications (i.e. one size does not fit all). This capability gives County unmatched flexibility in selecting and implementing the best possible hardware for the job. With RAPID-ID, County won't be tied to a specific hardware vendor – you can select the best scanner type for the job.

Proven System Integrators Offer the Best Value to SBCSD

Our proposed mobile fingerprint scanners are field-tested for use in harsh patrol environments with ruggedized or holstered hardware. Each scanner seamlessly integrates with the DataWorks Plus RAPID-ID client. DataWorks Plus will be handling the distribution of all system components, regardless of manufacturer origin. As we have the ability to test and evaluate all of these different devices, we inherently learn which devices perform the best and for the best value. This has led us to selling over eight hundred devices in the State of Georgia, and over five thousand mobile fingerprint devices in the State of Florida. This knowledge gives us a competitive edge for us to say that we are bringing to SBCSD the best solution for the best value.

Integrated Biometrics Watson-Mini

The Integrated Biometrics Watson-Mini device is the smallest FBI Appendix F certified two-finger roll scanner. Watson-Mini uses Integrated Biometrics' patented Light Emitting Sensor (LES) technology to luminesce fingerprint images. This device meets the needs for both enrollment and verification applications, and provides accurate, high-resolution fingerprint scans in virtually any environment.

Integrated Biometrics Watson-Mini

The Watson-Mini scanner utilizes the USB 2.0 connectivity method for transmitting data and images between itself and the MDT workstation. It does not require any additional wireless accounts or data plans in order to function with the RAPID-ID system. The fingerprints are transmitted directly to the MDT via USB tether, at which point the agency's existing data infrastructure is used to perform identification transactions.

Fingerprint Capture and Viewing Results

The Watson-Mini is a two-finger scanner, which allows individuals to place two fingers upon the platen at once, and the RAPID-ID application will automatically capture and split the image into two separate fingerprints for submission. Since the Watson-Mini scanner is USB-tethered, the alerts for fingerprint capture are displayed on the MDT workstation itself. Fingerprint images are not stored within the device itself. All fingerprint images are transmitted directly to the MDT, and there is no limit to the number of transactions that can be captured and transmitted at one time. Users are able to view the Hit or No-Hit results from within the RAPID-ID application.

Device Specifications

The device is designed to be as lightweight as possible while retaining industrial durability. The physical specifications and dimensions are as follows:

- **Dimensions:** 61 x 60 x 34 mm
- **Weight:** 85 grams
- **Operating Conditions:** Impact and scratch resistant.
- **Power:** USB tether
- **Fingerprint Resolution:** 500 ppi
- **Certifications:** EBTS Appendix F Mobile ID SAP 45, PIV-071006

Mobile – Take it Anywhere

RAPID-ID is mobile, so you can take it anywhere that positive identification is needed. Fingerprints can be scanned with any FBI-approved fingerprint scanner. Images and results can be transmitted either wirelessly or between a wired USB device and computer. You can view the results on your Blackberry smart phone, MDT, or any computer. All-in-one devices scan fingerprints and display results.

Below are some examples of where RAPID-ID can be used:

- Positive ID at booking and release: RAPID-ID can be used to 1:1 match an inmate's biometrics with his existing record, ensuring no record duplication at booking, and no mistaken identities at release.
- Sexual offender registration
- Positive ID of victim at a crime scene: if the victim is damaged or incapacitated in a way preventing their immediate identification, they can be scanned and, if previously existing within the database, identified immediately.
- Medical examiner's office, medical history
- Positive ID in the court room
- Positive ID prior to serving a warrant
- Watch-list of high priority suspects: in an investigation, if a high-profile suspect has a pre-existing biometric record, their record can be flagged as part of a watchlist, letting any officer who scans them know immediately about their status.
- Mobile applications for positive ID in the field

RAPID-ID Transaction Controller Software & Reporting Services

The RAPID-ID Transaction Controller Software and Reporting Services enables agencies to use the RAPID-ID Transaction Monitor web application. Transaction Monitor can be accessed from any workstation on your agency's network within an industry standard web browser. With the RAPID-ID Transaction Monitor, you can:

- Review statistical data for all transactions performed and record narrative for investigative and analytical purposes.
- Perform administrative functions such as managing device registrations and configuring user activity privileges.

System Statistics

System statistics panels are shown at the top of the screen for the current and previous months of system operation. The monthly statistical information includes:

- Positive identifications leading to arrest.
- Positive identifications that did not lead to arrest.
- Transactions that retrieved no matches.
- Transactions that need to be reviewed.
- Other transactions, which are generally error or test transactions.

Submittal Process Workflow

The RAPID-ID application is capable of receiving several submissions, which are placed into an automated queue for identification. Once submitted, the RAPID-ID application submits the prints to a designated database for identification. The Transaction Menu will display all active and completed submissions in a time-stamped list for the user.

As long as the proposed device remains within connectivity range of the workstation, there is no need for local storage of fingerprints within the device, since they are immediately submitted upon capture. The transaction processing is handled by the connected workstation, and not the device itself. This allows the user to continue capturing and submitting fingerprint transactions continuously with no limit for how many transactions are pending at one time.

In certain scenarios, multiple cases must be stored on the device at one time, such as when the device is out of range of the workstation. In these out-of-range scenarios, the device is capable of storing fingerprints in its internal memory. Prints stored can be manually submitted once the connection between the device and the workstation has been restored.

If a submission contains multiple sets of results, such as a set of data from FBI's RISC database, and a separate set of data from a state or regional AFIS, then the RAPID-ID application can continue receiving results until a Hit or No-Hit has been determined from each available data source. The device will continue displaying results as they come in

after the transaction has performed. However, users can still check the RAPID-ID application on the workstation if desired.

There are multiple status messages that the user may see while waiting for results for submissions.

- *Captured:* displayed once a print has been captured. You will also receive a cue from the device when a print is captured if desired.
- *Missed:* displayed if a finger is selected as missing. If your system is not configured for missing fingers, then you will be notified that this feature is not available.
- *Duplicate Print:* If the same finger is accidentally captured twice in a row, this message will be displayed. You will then be prompted again to capture the proper fingerprint.
- *Sending:* The fingerprints are being submitted for identification.
- **Searching:** The fingerprints have been submitted and a search for matching fingerprints in the database is being performed.
- *Saving Prints:* This will be displayed if a transaction is being saved to the device. This only occurs if the device cannot communicate with a workstation to submit prints.

Retrieval Process Workflow

Once a user has logged into the application, the main Transaction Menu will be displayed. From this menu, the user can see a time-stamped list of any transactions that have been performed, along with the Hit and No-Hit results. If the user is utilizing a USB tethered scanner, then the user can also initiate new fingerprint capture transactions from this screen.

In addition to displaying results on the menu Transaction Menu, users can also pull up detailed record data by clicking on the "Results" button next to each transaction listed. If the submission returned a positive Hit from any database, then the user will be able to view any data or images that were received by the system.

The RAPID-ID result form-fields are completely customizable, and DataWorks Plus can configure the transaction results screen to display all of these required pieces of data in an easy-to-understand layout for the user. Additionally, the RAPID-ID application is capable of keeping separate field lists for RISC results and local or State AFIS results, which enables users to easily scroll between coherently organized pages of data.

When a response has been received from the submitted transaction on the application, a message will automatically be sent to the device to notify the user of the response. The device can also deliver audible cues for transaction results. Possible transaction responses include:

- **HIT:** The device will indicate a HIT. Fingerprints in the database have matched the submitted prints. Additional information about the transaction can be viewed in the RAPID-ID application on the workstation. When configured; if the result data contains an image of the individual, then the individual's image will also be displayed on the screen for the user to review.

- **NO HIT:** The device will indicate there is NO HIT. No fingerprints in the database matched the submitted prints.

- **Error:** This status will be displayed if there was an error when submitting the transaction.

- **RISC - Hit/No Hit/Possible:** The results in the RISC column can be Hit, No Hit, or Possible. The RISC result will also be identified by the icon displayed on the left side of the transactions.

By clicking on a transaction from the main Transaction Menu, and clicking the "View" button, users can see a detailed report containing all of the information received from the AFIS database or FBI's RISC. The data is organized into coherent sets according to the specific field layouts and naming conventions defined by your agency. Record display screens can include demographic data, warrants, criminal history, and even images if available.

RAPID-ID Transaction Controller Software & Reporting Services

The RAPID-ID Transaction Controller Software and Reporting Services enables agencies to use the RAPID-ID Transaction Monitor web application. Transaction Monitor can be accessed from any workstation on your agency's network within an industry standard web browser. With the RAPID-ID Transaction Monitor, you can:

- Review statistical data for all transactions performed and record narrative for investigative and analytical purposes.
- Perform administrative functions such as managing device registrations and configuring user activity privileges.

System Statistics

System statistics panels are shown at the top of the screen for the current and previous months of system operation. The monthly statistical information includes:

- Positive identifications leading to arrest.
- Positive identifications that did not lead to arrest.
- Transactions that retrieved no matches.

- Transactions that need to be reviewed.
- Other transactions, which are generally error or test transactions.

An example of the Transaction Monitor main menu with the system statistics panels is shown in the following image.

View Detailed Information about Each Transaction

When you select a record to view, a system use report for that record will be displayed. This page contains information such as the transaction date and time, the username of the officer that performed the transaction, and the description and comments that the user entered when the transaction was performed.

Transaction Review

Transactions may be marked as "Needs Review" under the description when there is a hit (or a match) in the system. Transaction review allows users to record comments, descriptions, and case information for statistics, reporting, and documentation of cases. Only the person who created a transaction will be able to add review data to it.

Transaction Search

You can perform an advanced Transaction Search within the Transaction Monitor.

Managing Device Registrations

All device registrations and their related data will be backed up on the RAPID-ID server. SBCSD will be able to manage thousands of mobile devices with a single point connection. You may register, un-register, and/or transfer device registrations with the RAPID-ID Transaction Monitor web application. Additionally, if there is a device registered within the system that is not currently being used on a workstation client, you can enter the device serial number (from the client) and "pull" down the device registration information from the RAPID-ID server.

Managing Users

Administrators can enable, disable add, or remove user profiles from within the RAPID-ID Transaction Monitor web application.

Managing User Activity

Administrators can select individual or multiple users, and modify which system functions they have access to.

Security

All RAPID-ID users must log into the application with a username and password in order to gain access to system functionality. Additionally, devices will not function unless they have first been registered and activated. All active devices are assigned unique identifiers, such as the Device ID and Agency ORI (originating agency), and all scanner transactions are tracked in detail. Through the RAPID-ID transaction monitor, administrators can view a full list of all fingerprint transactions that have been performed, the time of the transactions, which user performed the action, and what scanner device was used.

Biometric Login Verification – Optional

Biometric Login user verification is available, which will grant SBCSD security in addition to the standard username and password authentication methods typically available. Users will be able to authenticate themselves by pressing their own thumbprint or fingerprint onto their device to verify that they are authorized enrolled users before the RAPID-ID application will function. This further ensures that the system is protected from unauthorized access or use.

Licensing

RAPID-ID licensing is device-based, and each agency has a maximum number of devices that can be concurrently registered for active use. Agencies can obtain as many device licenses as they see fit according to the size of their workforce. The RAPID-ID client software checks to ensure that the device in use is properly registered and activated within the license limit. If users attempt to add additional devices beyond the current license limit, then they will receive an error message when they attempt to perform a fingerprint transaction on a non-licensed device.

Pricing Summary

RAPID-ID Mobile Fingerprint ID

Description	Price
DataWorks Plus Local Reporting/Transaction Controller Server: • Dell PowerEdge R630 • Intel® Xeon® E5-2620 2.00GHz, 15M Cache, 7.2GT/s QPI, Turbo, 6C, 95W, Max Mem 1333MHz • 16GB RDIMM, 1600MT/s, Low Volt, Dual Rank, x4 Data Width • (2) 500GB 7.2K RPM SATA 2.5-in HotPlug Hard Drive • SW RAID 1 for S110 • Single, Hot-plug Power Supply, NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet • Broadcom 5720 QP 1Gb Network Daughter Card • Windows Server®2016 Standard • No Monitor	$4,496.00
DataWorks Plus RAPID-ID Transaction Controller Software & Reporting Services • DataWorks Plus RAPID-ID Reporting Module • DataWorks Plus Transaction Controller Module • FBI/RISC Portal Service • LOCAL AFIS Interface Protocol • California Mobile Interface Protocol	$34,900.00
RAPID-ID Software for current San Bernardino deployment (650 Units) DataWorks Plus' RAPID-ID Software includes the device server access. License, user documentation, and one year standard warranty.	$150,000.00
RAPID-ID Intake & Release Software (60 Units) DataWorks Plus' RAPID-ID Software includes the device server access. license, user documentation, and one year standard warranty.	$90,000.00

Description	Price
Training	$5,000.00
Installation & Project Management	$5,000.00
Project Total	$289,396.00

RAPID-ID Mobile Fingerprint ID Devices[1]

Includes Software

RAPID-ID Mobile Fingerprint Device Description	Price	
Integrated Biometrics Watson-Mini (Dual-Finger USB Scanner) **Integrated Biometrics Watson-Mini** USB LES Scanner SAP 45	Unit 1	$1,300.00
	Unit 50	$1,200.00
	Unit 100	$1,000.00
	Prices do not include desktop computer or laptop with Internet access for RAPID-ID fingerprint device.	
Evolution Evolution* Device with Single Finger Capture, Camera, Includes Galaxy Phone, Cell Service Capable, Wi-Fi, and Bluetooth connectivity. Charger FAP 30	Unit 1	$3,000.00
	Unit 50	$2,850.00
	Unit 100	$2,700.00

---

[1] Customer to provide all cellular, broadband, and/or network connections. Products include a one year warranty. Hardware/Software minimum specifications: 2GHz or better processor, 1 GB RAM (2 GB RAM recommended if workstation is not dedicated to RAPID-ID application), 1 available USB 2.0 port, 2 GB free disk space, and Microsoft Windows 7 operating system.

Quoted pricing includes the following services:

☞ Shipping, Integration, and Installation.

☞ Delivery approximately 30-90 days after receipt of order.

☞ Twelve-month Premium Plus warranty, commencing at delivery

☞ Administrative, Trainer, & User Training.

Additional engineering effort by DataWorks Plus beyond the scope of the standard product will be charged at our standard rate of $220 per hour, plus any related travel or administrative expenses. If a customer is providing their own PC (laptop, tower or desktop) for the use with a livescan, they will be required to send one example of each machine to Greenville for hardware testing and validation.

Upon expiration of warranty for the above equipment, Standard Maintenance for the first year will be available at 12% of the system list price, and is renewable annually thereafter at then current pricing. Standard maintenance support includes 8 x 5 Monday through Friday with next day onsite support and includes repair or replacement of failed parts and software maintenance. Premium Plus Maintenance will be offered for 14% of the system list price for upgraded 24 x 7 coverage.

DataWorks Plus believes in ensuring that your data is secure. As such, all DataWorks Plus employees must pass an FBI background check as part of our hiring process. DataWorks Plus understands that agencies have their own background processes and will comply with standard vendor background checks for employees either participating in the install or on-going maintenance. Standard vendor background checks include fingerprints, employment history, local, state and/or FBI checks. Extensive background processes beyond what is considered a standard check will be at the sole financial responsibility of the agency and should be coordinated with DataWorks Plus for scheduling and billing.

DataWorks Plus appreciates the opportunity to present this proposal, which will be valid for 90 days, after which availability and prices are subject to change. To confirm your requisition, please submit your purchase order within this time frame. Prices are exclusive of any and all state, or local taxes, or other fees or levies. This quote is subject to the following conditions:

1. 50% payment due with Purchase Order

2. 50% payment due at installation.

3. Payment net sixty (60) days from receipt of invoice.

4. Warranty begins at delivery.